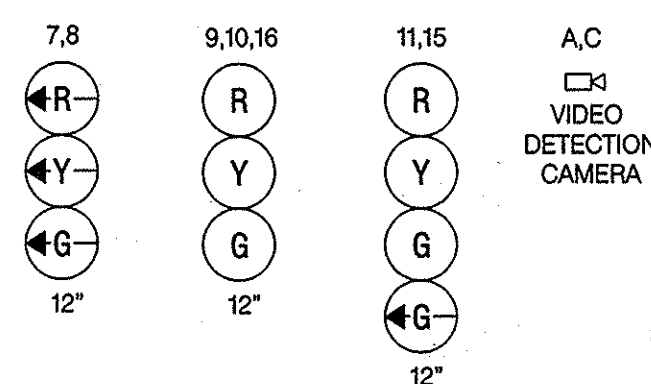


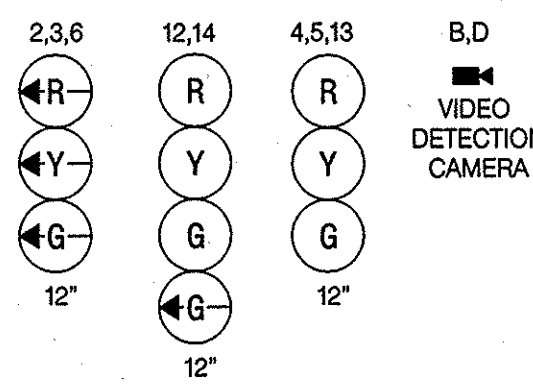
REVISION DATE: JUNE 1, 2003

MD 174 IS ASSUMED TO RUN
IN A EAST- WEST DIRECTION

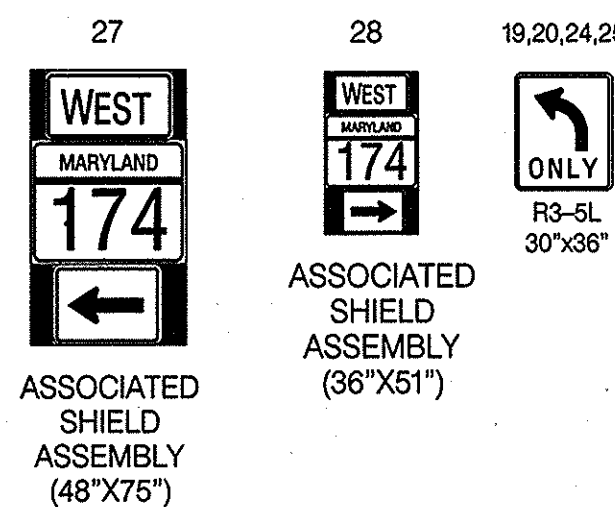
EXISTING SIGNALS



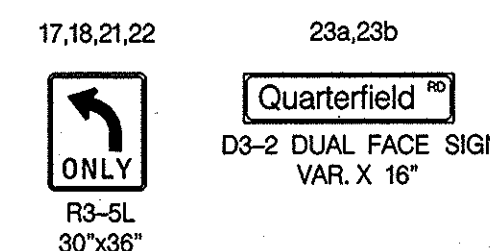
PROPOSED SIGNALS



EXISTING SIGNALS



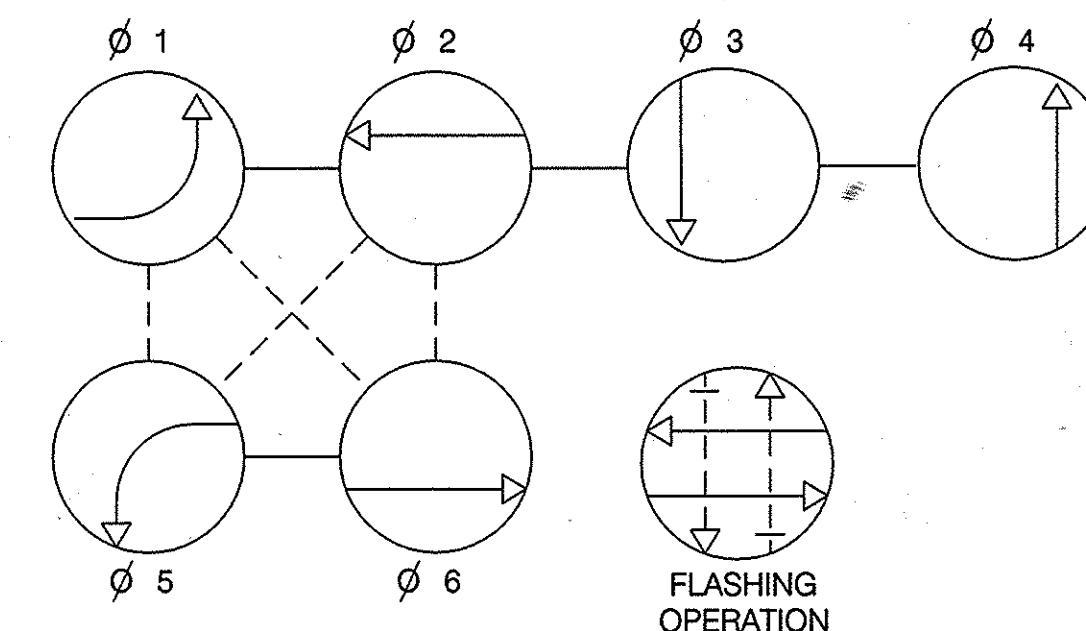
PROPOSED SIGNALS



EXISTING SIGNALS TO BE RELOCATED



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY / WILL OPERATE CONCURRENTLY.

MATCH LINE - SEE SHEET TS-4491

SHA RIGHT-OF-WAY

MD 174 QUARTERFIELD ROAD

CONSTRUCTION DETAILS

- INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2-2", AND 2-4 IN., SCHEDULE 80 PVC CONDUIT BENDS)
- INSTALL MICRO-LOOP PROBE WITH 500 FOOT LEAD-IN.
- INSTALL HANDHOLE.
- VIDEO DETECTION AREA.
- INSTALL 4" SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - BORED
- INSTALL 1" GALVANIZED STEEL CONDUIT FOR DETECTOR LEAD-IN.
- INSTALL 27" STEEL POLE, 70' MAST ARM, SIGNAL HEADS, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE, VIDEO DETECTION CAMERA, AND SIGNS. (NOTE: 1-4", SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND.)
- INSTALL MICRO-LOOP PROBE WITH 1000 FOOT LEAD-IN.
- USE EXISTING HANDHOLE
- USE EXISTING CONDUIT
- REMOVE EXISTING HANDHOLE
- CAP AND ABANDON EXISTING CONDUIT
- REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- REMOVE EXISTING MAST ARM POLE AND ASSOCIATED EQUIPMENT
- INSTALL 1 IN. LIQUID-TIGHT, NON METALLIC CONDUIT
- PROPOSED ELECTRICAL SERVICE
- INSTALL 24 IN. THERMOPLASTIC PAVEMENT MARKING
- RELOCATE EXISTING SIGNAL HEAD
- INSTALL 2" SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- REMOVE EXISTING MAST ARM POLE AND ASSOCIATED EQUIPMENT AND RELOCATE ROUTE MARKER TO NEW POLE

GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 816.01, MD 816.02, MD 816.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- UNLESS OTHERWISE NOTED, ALL EXISTING EQUIPMENT WILL BE USED.
- ALL UNUSED CABLE SHALL BE REMOVED.
- DISCONNECT AND ABANDON EXISTING MD 174 PASSAGE DETECTION.
- INSTALL NEW INTERCONNECT CABLE FROM THE PROPOSED CONTROLLER, THROUGH THE CONDUIT, TO THE EXISTING CONTROLLER AT MD 174 AT THE NORTHBOUND I-97 RAMPS (APPROXIMATELY 1500 FT. LENGTH).
- INSTALL NEW INTERCONNECT CABLE FROM THE PROPOSED CONTROLLER, THROUGH THE CONDUIT, TO THE EXISTING CONTROLLER AT MD 174 AT PARKE WEST DRIVE (APPROXIMATELY 880 FT. LENGTH).

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

S. B. I-97
ON RAMP

S. B. I-97
OFF RAMP

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DESIGN CHIEF
OFFICE DIRECTOR

REVISIONS

REVISED NORTH LEG
OF THE INTERSECTION 14783
5-18-06
T.Z.
A
10/03
ADD VIDEO DETECTION CAMERAS
JWA MAR DAZ
ARK TH

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 174 (QUARTERFIELD ROAD) AND
I-97 S.B. RAMPS

SCALE 1" = 20' DATE 6-01 CONTRACT NO. AA629B21
DESIGNED BY J.R.H.JR. COUNTY ANNE ARUNDEL
DRAWN BY T.HOLLOWAY LOGMILE 02017404.80
CHECKED BY T.HOLLOWAY T.I.M.S. NO. H788
F.A.P. NO. SEE TITLE SHEET TOD NO.
DRAWING NO. TS 4171 B SHEET NO. OF